	Application No.	Applicant(s)	
Notice of Allowability	10/827,067	KIMURA, NAOTO	(M)
	Examiner	Art Unit	
	Luan Thai	2891	
The MAILING DATE of this communication application application application application and the communication application on the MERITS I herewith (or previously mailed), a Notice of Allowance (PTOL-8: NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT of the Office or upon petition by the applicant. See 37 CFR 1.3:	S (OR REMAINS) CLOSED 5) or other appropriate comm RIGHTS. This application is	in this application. If not included nunication will be mailed in due cou	ırse. THIS
1. \boxtimes This communication is responsive to <u>the amendment file</u>	<u>d June 22, 2005</u> .		
2. X The allowed claim(s) is/are 9-23 (renumbered as 1, 5-11	, 2, 12-14, 3-4 and 15, respe	<u>ctively)</u> .	٠
3. \boxtimes The drawings filed on <u>19 April 2004</u> are accepted by the	Examiner.		
 4. Acknowledgment is made of a claim for foreign priority a) All b) Some* c) None of the: 1. Certified copies of the priority documents hat 2. Certified copies of the priority documents hat 3. Copies of the certified copies of the priority of International Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE noted below. Failure to timely comply will result in ABANDON THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 	ve been received. ve been received in Application documents have been received	ion No ed in this national stage application	
5. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.			
6. CORRECTED DRAWINGS (as "replacement sheets") m (a) including changes required by the Notice of Draftsper 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examine Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR each sheet. Replacement sheet(s) should be labeled as such in	erson's Patent Drawing Revie —· er's Amendment / Comment of 1.84(c)) should be written on	or in the Office action of the drawings in the front (not the ba	ck) of
7. DEPOSIT OF and/or INFORMATION about the department attached Examiner's comment regarding REQUIREMEN			e the .
Attachment(s) 1. Notice of References Cited (PTO-892) 2. Notice of Draftperson's Patent Drawing Review (PTO-948) 3. Information Disclosure Statements (PTO-1449 or PTO/SE Paper No./Mail Date 4. Examiner's Comment Regarding Requirement for Deposit of Biological Material	6. Interview S Paper No 3/08), 7. Examiner's	nformal Patent Application (PTO-1 Summary (PTO-413), ./Mail Date s Amendment/Comment s Statement of Reasons for Allowa	·
LUANTHAI THINARY EXAMINER			

Art Unit: 2891

DETAILED ACTION

This Office action is responsive to the amendment filed on June 22, 2005.

- 1. Claims 9-23 are allowed and renumbered as 1, 5-11, 2, 12-14, 3-4 and 15, respectively.
- 2. The following is an examiner's statement of reasons for allowance: the prior art taken either singly or in combination fails to anticipate or fairly suggest the limitations of independent claims 9, 10, 16, 18, and 23, especially when these limitations are considered within the specific combination claimed.

In particular, the cited arts do not disclose the first intermediate substrate having a plurality of first bonding pads and the second intermediate substrate having a plurality of second bonding pads, each of the first bonding pads of the first intermediate substrate being electrically connected to an associated one of the first pads of the first semiconductor chips, and each of the second bonding pads being electrically connected to an associated one of the first pads of the first semiconductor chip, as recited in claims 9-10, 18 and 23, and the first and second intermediate substrates including at least one of a capacitor and a resistor, as recited in claim 16, and these features could not easily be conceived of even by a person skilled in the art in the light of the features disclosed in the cited prior arts (e.g., Ball) wherein the first and second intermediate substrates (14A-14B) are dice mounted on the board by flip-chip bonding and they do not have any bonding pad connected to the pads of the semiconductor chip mounted thereon.

Application/Control Number: 10/827,067 Page 3

Art Unit: 2891

3. Any comments considered necessary by applicant must be submitted no later than the

payment of the issue fee and, to avoid processing delays, should preferably accompany the issue

fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for

Allowance."

4. Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Luan Thai whose telephone number is 571-272-1935. The

examiner can normally be reached on 6:30 AM - 5:00 PM, Monday to Thursday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Bradley W. Baumeister can be reached on 571-272-1722. The fax phone number for

the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Luan Thai

Primary Examiner Art Unit 2891

August 22, 2005